

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 42618   |
| <b>Lot Number</b>        | 003274-02-2023-24   |
| <b>Product</b>           | <b>5-Nitrobenzimidazole</b>                                 |
| <b>CAS Number</b>        | 94-52-0   |
| <b>Molecular Formula</b> | C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub> |
| <b>Molecular Weight</b>  | 163.14  |

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|------------------------------------|--|
| <b>Appearance</b>                  | Off-white powder   |
| <b>Solubility</b>                  | Insoluble in water.<br>Dark yellow color (10% solution in acetic acid)               |
| <b>Melting Point</b>               | 207 - 210 °C   |
| <b>Water Content (Karl Fisher)</b> | 0.28%  |
| <b>pH</b>                          | 7.3  |
| <b>Sulfated Ash</b>                | 0.20%  |
| <b>Assay</b>                       | 99.93% (HPLC)  |
| <b>Purity by HPLC</b>              | 99.95%   |
| <b>Storage</b>                     | Store at RT  |
| <b>Remarks</b>                     | See material safety data sheet for additional information<br>For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**